

SOIL CONSERVATION SERVICE
KENTUCKY
STANDARD AND SPECIFICATIONS
FOR
SPOILBANK SPREADING

(572)

Definition

Disposing of excavated materials from a drainage ditch or irrigation canal by spreading the surplus over adjacent land.

Scope

This standard covers the handling of spoil, either by placement in surface depressions, by shaping, or by spreading over the surface of banks and adjacent lands along the ditch or canal from which the spoil was removed.

Purpose

The principal objectives of this practice are to permit agricultural or other use of land occupied by spoil, to facilitate establishment and control of vegetation along banks, to provide a travelway along banks for maintenance, or to provide borrow for land grading, leveling, or smoothing of adjoining land.

Conditions Where Practice Applies

This practice applies to sites where spoil material is available from the excavation of channels, drainage ditches or irrigation canals and where it is desirable and economically feasible to achieve one or more of the conservation purposes listed above.

Design Criteria

Spoil shall be spread continuously over a designated area in accordance with an approved plan, or as modified by a technician at the site where authorized in the contract or otherwise feasible. Provisions shall be made for the diversion or safe passage of surface water concentrating on the landside of the spoilbank.

The spoil shall be placed so as to provide a minimum berm width of 8 feet from the top of the channel slope to the toe of the spoil in the channel side and shall not exceed 3 feet in height above the natural ground surface, except by special design. The berm width shall equal or exceed the maximum depth of the channel adjacent to it.

Surfaces of spoil shall not be steeper than 4 horizontal to 1 vertical on the landside, and 3 horizontal to 1 vertical on the channel side. When a top

width is specified, the top shall be sloped so that drainage will be away from the channel.

Plans and Specifications

The plans for spoil spreading may include spreading the spoil over an area within a reasonable distance of the improvement.

All brush, large roots, stumps, logs, and other debris will be removed from the area prior to placement and spreading of spoil except where such material will be completely covered by not less than 18 inches of earth fill.

Construction operations shall be carried out in such a manner that erosion and air and water pollution will be minimized and held within legal limitations. The completed job shall present a workmanlike finish and shall be sufficiently smooth to permit normal operation of farm equipment.

The channel side slopes and a 6-foot minimum width shall be vegetated along each side of a channel where there are no spoilbanks. On a channel where there are spoilbanks the channel side slopes, the berms, and that portion of the spoilbanks which drain to the channel shall be vegetated. Vegetation shall be established in accordance with the standard and specifications for Critical Area Planting, Code 342.

Approval of plans and specifications shall be in accordance with the Engineering Job Classification and Approval Chart for Kentucky.

Any deviations from this standard shall be approved by the appropriate Soil Conservation Service Engineer.